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Application No.

10/718,029

Examiner

Kenneth B Rinehart

Applicant(s)

KIM ET AL.

Art Unit

3749

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

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| Claim                        |  |                               |          |          |          |              |              |          |              |           |
|------------------------------|--|-------------------------------|----------|----------|----------|--------------|--------------|----------|--------------|-----------|
| Cla                          | Date                                   |                               |          |          |          |              |              |          |              |           |
| Final                        | Original                               | 8/5/4                         |          |          |          |              |              |          |              |           |
|                              | (1)<br>2<br>3<br>4<br>5                | 72 10 51 11 16 56 56 11 11 11 |          |          |          |              |              |          |              |           |
| 2                            | 2                                      | =                             |          |          |          | L            |              | <u> </u> |              | Ш         |
| 3                            | 3                                      | =                             | _        | <u> </u> |          | <u> </u>     |              | _        | _            | Ш         |
| 1                            | 4                                      | =                             | _        |          |          | $\vdash$     | ├            | ┡        | _            | -         |
| 5                            | 5                                      | =                             |          | _        |          | <u> </u>     | <u> </u>     | ┞        | ļ            |           |
| 6                            | 6<br>7                                 | 5                             | _        | _        | _        | <u> </u>     |              |          | <u> </u>     |           |
| 7                            | 8                                      | -                             | -        |          |          |              | ⊢            | ├        | <del> </del> | H         |
| 0                            | 9                                      | -                             | $\vdash$ | $\vdash$ |          |              |              | ⊢        | $\vdash$     | Н         |
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| 11                           | 11                                     | _                             |          | $\vdash$ | -        | <del> </del> | _            | -        |              |           |
| 12                           | 12                                     | =                             | -        |          |          | T            |              |          | T            | Н         |
| 3 4 5 G 7 8 9 10 11 13 14 15 | 11<br>12<br>13<br>14<br>15<br>16<br>17 | 85 90 31 91 81                |          |          |          |              |              |          |              |           |
| 14                           | 14                                     | =                             |          |          |          |              |              |          |              |           |
| 15                           | 15                                     | =                             |          |          |          |              |              |          |              |           |
|                              | 16                                     | $\Box$                        |          | $\Box$   | $\Box$   | $\Box$       |              |          |              | Ш         |
|                              | 17                                     |                               |          | _        | <u> </u> | _            | _            | L        |              |           |
|                              | 18                                     | _                             |          | _        | ļ        | ļ            | ļ            |          | L            |           |
|                              | 19                                     | _                             | _        | _        | _        | _            | _            | _        |              | $\square$ |
|                              | 20<br>21                               | L                             |          | <u> </u> | _        |              | $\vdash$     | _        |              | Щ         |
|                              | 21                                     | _                             | _        | -        |          | -            | <del> </del> |          | _            |           |
|                              | 22<br>23<br>24<br>25                   | -                             |          | -        | -        |              | -            |          | -            | -         |
|                              | 24                                     |                               | _        |          | $\vdash$ | $\vdash$     | $\vdash$     |          | $\vdash$     |           |
|                              | 25                                     |                               |          | -        | -        |              |              |          |              |           |
|                              | 26                                     |                               |          |          |          |              |              | <u> </u> | H            |           |
|                              | 27                                     |                               |          |          |          |              |              | -        | -            |           |
|                              | 27<br>28<br>29                         |                               |          |          |          |              |              |          |              | П         |
|                              | 29                                     |                               |          |          |          |              |              |          |              |           |
|                              | 30                                     |                               |          |          |          |              |              |          |              |           |
|                              | 31                                     |                               |          |          |          |              |              |          |              |           |
|                              | 32                                     |                               |          |          |          |              |              |          |              |           |
|                              | 33                                     |                               |          |          |          |              |              |          |              |           |
|                              | 34                                     |                               |          |          |          |              | <u> </u>     |          |              |           |
|                              | 35                                     |                               |          |          |          | _            |              | <u> </u> |              |           |
|                              | 36                                     | H                             |          |          |          |              |              |          | -            |           |
|                              | 37<br>38                               |                               |          |          |          |              |              |          |              |           |
|                              | 39                                     |                               |          |          |          |              | -            | $\vdash$ |              | -         |
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|                              | 41                                     |                               |          |          |          |              |              |          |              |           |
|                              | 42                                     | H                             |          |          | _        | $\vdash$     |              |          | М            |           |
|                              | 43                                     |                               |          |          |          |              |              |          |              |           |
|                              | 44                                     |                               |          |          |          |              |              |          |              |           |
|                              | 45                                     |                               |          |          |          |              |              |          |              |           |
|                              | 46                                     |                               |          |          |          |              |              |          |              |           |
|                              | 47                                     |                               |          |          |          |              |              |          |              |           |
|                              | 48                                     | ]                             |          |          |          |              |              |          |              |           |
|                              | 49                                     |                               |          |          |          |              |              |          |              | _         |
|                              | 50                                     |                               |          |          |          |              |              |          |              |           |

| Cla      | Date           |          |          |          |          |          |          |              |          |          |
|----------|----------------|----------|----------|----------|----------|----------|----------|--------------|----------|----------|
|          |                |          |          |          |          |          |          |              |          |          |
| Final    | Original       |          |          |          |          |          |          |              |          |          |
|          | 51             |          |          |          |          |          |          |              |          |          |
|          | 52<br>53       |          |          |          |          |          |          |              |          |          |
|          | 53             |          |          |          |          |          |          |              |          |          |
|          | 54             |          |          |          |          | _        | _        |              |          |          |
| L        | 54<br>55       |          |          |          |          |          |          |              |          |          |
|          | 56             |          |          |          |          |          | L        |              | _        |          |
|          | 57             |          |          |          |          | _        | L        | _            | ļ        | L        |
|          | 58             | ļ        |          |          | ļ        |          |          |              | ļ        |          |
| <u></u>  | 59             |          |          | _        | _        |          | <u> </u> |              | ļ        | _        |
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|          | 61             |          |          |          |          |          | _        |              |          |          |
|          | 62<br>63       |          | -        | -        | _        | -        | _        | _            | <u> </u> |          |
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|          | 65<br>66       |          |          | -        |          |          |          |              | $\vdash$ | ┝        |
| $\vdash$ | 67             |          | $\vdash$ | $\vdash$ |          |          |          |              | $\vdash$ | $\vdash$ |
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|          | 69             | -        |          | ├─       |          |          | -        |              | -        |          |
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|          | 73             |          |          |          |          |          |          |              |          |          |
|          | 74             |          |          |          |          |          |          |              |          |          |
|          | 73<br>74<br>75 |          |          |          |          |          |          |              |          |          |
|          | 76<br>77       |          |          |          |          |          |          |              |          |          |
|          | 77             | _        | L        |          | <u> </u> | _        | _        | <u> </u>     |          |          |
| _        | 78             | _        | _        |          | _        |          | _        | _            | _        |          |
|          | 79             |          | _        |          |          |          |          |              | _        |          |
| ļ        | 80             |          |          |          |          |          |          |              |          |          |
|          | 81<br>82       |          | _        |          |          | <u> </u> |          |              | _        |          |
|          | 92             |          |          |          |          | _        | $\vdash$ |              |          |          |
|          | 83<br>84       |          |          |          |          |          | $\vdash$ |              |          |          |
|          | 85             |          |          |          |          |          |          | -            |          |          |
| $\vdash$ | 86             |          |          |          |          | _        |          |              |          |          |
|          | 87             |          |          |          |          |          |          |              | -        |          |
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|          | 89             |          |          |          |          |          |          |              |          |          |
|          | 90             |          |          |          |          |          |          |              |          |          |
|          | 91             |          | ,        |          |          |          |          |              |          |          |
|          | 92             |          |          |          |          |          |          |              |          |          |
|          | 93             |          |          |          | Щ        |          |          |              |          | L.,      |
|          | 94             |          |          | _        | Ш        |          | Щ        |              |          | $\sqcup$ |
| $\vdash$ | 95             |          |          |          |          |          |          |              |          |          |
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| $\vdash$ | 98<br>99       | -        |          |          | -        |          |          | _            |          | _        |
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| Cli     | aim               | Date     |              |              |          |              |  |  |  |  |
| Final   | Original          |          |              |              |          |              |  |  |  |  |
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|         | 101<br>102<br>103 |          |              |              |          |              | Г  | Г  |  |  |
|         | 103               |          |              |              |          |              |  |  |  |  |
|         | 104<br>105        |          |              |              |          |              |  |  |  |  |
| L       | 105               | _        | _            |              | _        |              | _  |  |  |  |
|         | 106               | _        | _            | <u> </u>     | _        | _            | <u> </u>   | <u> </u>   | _  | _  |
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|         | 108<br>109        |          |              | -            |          |              | -  | -  | -  |  |
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|         | 111               |          |              | $\vdash$     |          | -            | -  | ├  | -  | -  |
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|         | 112<br>113        | l        | -            |              |          |              |  |  |  | П  |
|         | 114<br>115        |          |              |              |          |              | Γ  |  | П  |  |
|         | 115               |          |              |              |          |              |  |  |  |  |
|         | 116               |          |              |              |          |              |  |  |  |  |
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|         | 118<br>119        |          | <u> </u>     |              | <u> </u> |              | ļ  |  |  |  |
|         | 119               |          | _            | <u> </u>     | _        |              |  |  |  |  |
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|         | 121<br>122        | -        | <del> </del> | -            | _        |              | -  |  |  | -  |
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|         | 126               | -        |              |              |          |              | _  |  | ļ  |  |
|         | 126<br>127        |          |              |              |          |              |  |  |  |  |
|         | 128<br>129        |          |              | Ĺ            |          |              |  |  |  |  |
|         | 129               |          |              | _            |          |              | _  | _  | _  |  |
|         | 130               | ļ        |              | _            |          | _            |  |  |  |  |
| ļ       | 131               | _        |              | <u> </u>     | <u> </u> |              | -  |  | $\vdash$   | ļ  |
|         | 132<br>133        |          | -            | -            | -        | <u> </u>     | ⊢  | -  | -  | <u> </u>   |
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|         | 136               |          |              | Т            |          | Г            |  | T  | <del>                                     </del> | Н  |
|         | 137               |          |              |              |          |              |  |  |  |  |
|         | 138               |          |              |              |          |              |  |  |  |  |
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|         | 140               |          | _            | <u> </u>     |          | <u>L</u>     | <u> </u>   |  | <u> </u>   |  |
| <b></b> | 141               |          | _            | <u> </u>     | _        | _            | ├-   | <u> </u>   | <u> </u>   | Щ  |
|         | 142<br>143        | -        | _            | $\vdash$     | -        | -            | $\vdash$   | $\vdash$   | -  | $\vdash \vdash$                                  |
|         | 144               |          | _            | $\vdash$     | -        |              | -  | -  | H  |  |
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|         | 147               |          | _            | $\vdash$     |          |              | -  |  | $\vdash$   | $\vdash$   |
|         | 148               |          |              | $\vdash$     | -        | _            | <u> </u>   | -  |  | $\vdash$   |
|         | 149               |          |              |              |          |              |  |  |  |  |
|         | 150               |          |              |              |          |              |  |  |  |  |